



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

SW

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/926,384	10/23/2001	Suehiro Mizukawa	110-061	9837

7590 03/23/2004

Felix J D'Ambrosio  
Jones Tullar & Cooper  
P O Box 2266 Eads Station  
Arlington, VA 22202

EXAMINER
----------

PRONE, JASON D

ART UNIT	PAPER NUMBER
----------	--------------

3724

DATE MAILED: 03/23/2004

9

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/926,384

Applicant(s)

MIZUKAWA, SUEHIRO

Examiner

Jason Prone

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 December 2003.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8, 10 and 11 is/are pending in the application.  
4a) Of the above claim(s) 1-5 and 10 is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 6-8 and 11 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 29 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 6 and 11 are objected to because of the following informalities: On lines 3-5 in both claims, the phrase "a stationary blade part having a support face on which a strip plate part and a blade edge part of the blade material where the blade edge part is formed in an edge of the strip plate part are to be overlaid" should be replaced with "a stationary blade part having a support face on which a strip plate part and a blade edge part of the blade material, where the blade edge part is formed in an edge of the strip plate part, are to be overlaid". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 6-8 and 11 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. On page 23 lines 22 and 23, the phrases "stationary edges 52a" and "stationary edges 52b" are unclear. It is understood that edges 52a and 52b interact with stationary edges 13a, 14a, 15a, and 16a, but it is uncertain how edges 52a and 52b could be considered stationary when they clearly need to be movable edges to interact with the other stationary edges.

Art Unit: 3724

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 6-8 and 11 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

6. In regards to claims 6, 7, 8, and 11, the phrase "a pair of front and rear stationary edges", on line 6 of claims 6 and 11, discloses that the "front" and "rear" directions are in the same direction as the feeding of the blade material. Therefore, the phrases "a front movable blade part" and "a rear movable blade part" are unclear. In regards to Figure 1, the front is represented by item "11" with the rear being represented by unseen item "12" while the movable blade parts move perpendicular to the front and rear plane. Therefore, it is unclear how both the "front and rear stationary edges" and the "front and rear movable blade part" can both represent "front and rear" when they are perpendicular to one another.

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 6 and 7 are rejected, as best understood, under 35 U.S.C. 102(b) as being anticipated by Cross et al.

Art Unit: 3724

Cross et al. discloses the same invention including a stationary blade part having a support face (25) on which the work piece is overlaid (L), a pair of front (30) and rear stationary edges (31) disposed on the support face (Fig. 11) and are positioned to be separated from each other by a gap in a direction of feeding the work piece (Fig. 11), a front movable blade part which is movable in front of the support face in lateral directions (83) which includes a movable edge that cooperates with the front stationary edge of the support face to cut the work piece (32), rear movable blade part which is movable in rear of the support face in lateral directions (27) which includes a movable edge that cooperates with the rear stationary edge of the support face to cut the work piece (33), and that each of the stationary edges of the support face and movable edges of the front and rear movable blade parts are a straight edge-cutting edge for linearly forming a cut line over the work piece.

***Claim Rejections - 35 USC § 103***

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 8 is rejected, as best understood, under 35 U.S.C. 103(a) as being unpatentable over Cross et al. in view of JP 2218509. Cross et al. discloses the invention including stationary and movable edges but fails to disclose that these edges are a miter-cutting edge. JP 2218509 teaches edges with miter-cutting edge (Figs. 5 and 4b). Therefore, it would have been obvious to one of ordinary skill in the art, at the

Art Unit: 3724

time of the invention, to have provided Cross et al. with a miter-cutting edge, as taught by JP 2218509, to perform an alternate shaped cut.

***Allowable Subject Matter***

11. Claim 11 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

***Response to Arguments***

12. Applicant's arguments filed 29 December 2003 have been fully considered but they are not persuasive. The Cross et al. patent clearly discloses the invention as claimed.

***Conclusion***

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Riley and Herlihy.

14. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

Art Unit: 3724

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Prone whose telephone number is 703-605-4287. The examiner can normally be reached on 7:30-5:00, Mon - (every other) Fri.

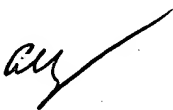
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan N. Shoap can be reached on 703-308-1082. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JP

March 15, 2004



Allan N. Shoap  
Supervisory Patent Examiner  
Group 3700